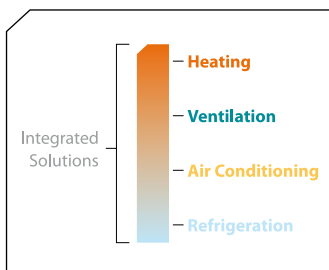




User Guide – Altherma LT Split

For your new Daikin Altherma low temperature heat pump



Your new Daikin Altherma heat pump

In this manual you will find information and guidelines that will allow you to run your Daikin Altherma heat pump system in the most energy efficient and cost effective way.

We hope you enjoy a warm and comfortable winter season!

System overview

The heart of your new central heating system is a highly efficient Daikin Altherma air source heat pump. The heat pump heats the water which flows around your central heating and separately heats the hot water when required in your hot water cylinder. The central heating is usually controlled from a Daikin controller or

programmable room thermostat which switches the heat pump on and off at preset times, sending warm water through the central heating. Most radiators have thermostats (TRV's) fitted to control the individual room temperatures.



Outdoor unit



Hot water cylinder



Hydrobox



Daikin Altherma controller

Your heating system in detail and getting the most from it



Outdoor unit

Outside is the heat pump. This extracts heat from the air, even below 0°C and uses this heat to heat the water passing through the central heating and hot water cylinder.

The outdoor unit pulls in air from the rear, extracts the heat in the air, and blows the cooled air out the front. This is done automatically, and there is no need to set or adjust it.

If the rear of the outdoor unit gets clogged up with leaves or debris, the efficiency of your heating system can be reduced, this should be checked regularly and cleaned with a soft brush. Similarly, don't block the front of the unit up by leaning anything against it.

Hydrobox

The hydrobox is located indoors. This distributes hot water around the central heating and to the cylinder. The Daikin Altherma controller communicates with the hydrobox for efficient use.

Cylinder

Hot water is stored in the cylinder. To ensure low running costs the cylinder is normally set to heat to 48°C. Your system is set up to heat the water in the cylinder at the time when it is cheapest. If you have Economy 7 this will be during off-peak periods. If not, it will be during the day when the air temperature is higher. Once a week the water in the cylinder is heated to at least 60°C to ensure the cylinder remains free from bacteria.

Hot water preparation in detail

Your system is set up to heat the water in the cylinder at the time when it is cheapest. If you have Economy 7 this will be during off-peak periods. If not, it will be during the day when the air temperature is higher.

Programmable room thermostat

You may have a room thermostat installed in your property. It would be located in the hall or within certain rooms. It controls when the house is heated, and to what temperature.

It is likely the thermostat has been set to heat the house to 21°C in the early morning, lunchtime and evening, with a cooler 18°C at other times from Monday to Friday. At weekends, it is set to 21°C from early morning until late evening, with 18°C over night.

Heat emitters: radiators

Most radiators are fitted with Thermostatic Radiator Valves (TRV's) as shown in the picture which ensures rooms will not become too warm.

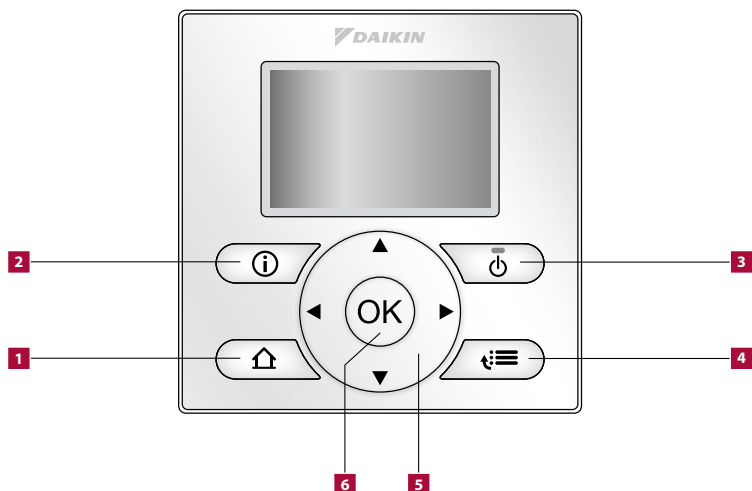
Temperatures are represented by numbers or roman numerals I, II, III, IIII. The higher the number, the warmer the room temperature. Each valve should be set according to the temperature you wish to achieve.

Underfloor heating (UFH) and/or fan coil units (FCU)

If UFH is installed you may see a manifold in your airing cupboard or similar with pipes going into the floor. This will heat your floors, which in turn heat your home. If FCU are installed you will see them on your walls. FCU operate in a similar way to radiators, but a fan in the unit pushes heat into the space around it.



Your Daikin Altherma remote controller



1. Home pages

- Switches between home pages for room temperature, tank temperature and leaving water temperature (when on the home pages)
- Goes to the home page (when you are in the menu structure)

2. Error information

- If an error occurs with your Daikin Altherma heat pump unit the information is displayed here

3. On/off

- Turns on or off one of the controls (room temperature, tank temperature and leaving water temperature), depending on which home screen is shown on the display

4. Menu/back

- Opens menu page when on the home page or goes back a level when you are within the menu structure

5. Navigation buttons

- Navigates through the menu structure, selects and changes settings

6. OK/enter button




- Confirms a selection
- Goes to the next step when in programming mode
- Enters a sub-menu when in the menu structure


Useful functions on your Daikin Altherma controller





Raising the hot water temperature


Storing water at higher temperatures is wasteful, because heat loss from the cylinder will be increased and the heat pump running costs will increase.



However, should you find the hot water is not hot enough, it can be increased by going to the domestic hot water home page. Press  until you reach the domestic hot water home page (display will show 'tank' in top right corner). You will see either a temperature setting e.g. 60°C  or  symbol on the screen.

Use the  button to increase the volume of hot water in the tank.


Note: You need to ensure the domestic hot water function is 'ON' to be able to adjust the settings. Press  if you do not see a green light above the  symbol.

Additional hot water other than pre-set times (boost function)

If you run out of hot water you can go into booster mode. Press  until you reach the domestic hot water home page.




Now press  until you reach  to activate domestic hot water booster mode.



Note: Increased use of boost function will affect overall efficiency of the system.

Note: If you see the  symbol, this means the domestic hot water is based on weather compensation, thus cannot be changed from the home menu.





Maximising your energy savings




To increase the efficiency of the central heating system, your heat pump will automatically vary the temperature of the water going through your central heating. The colder the temperature gets outside, the warmer the circulating water through your central heating.




When in the automatic (weather compensation) mode, if you feel the house is too warm or not warm enough you can adjust the central heating temperature up or down. Press  until you reach the room temperature home page. Use the  or  button to increase the room temperature.

Note: You need to ensure the room temperature function is 'ON' to be able to adjust the settings. Press  if you do not see a green light above the  symbol.

Activating the schedule timer














To activate the schedule timer press  until you reach the room temperature home page (display will show 'room' in top right corner). Use the  or  to move between heating modes. When you reach the  symbol you are in scheduled mode. The next scheduled timer function is shown at the bottom of the screen, for example wed 17:00 .

Heating modes:  = Scheduled mode
 = Comfort daytime mode (20°C)
 = Eco nighttime mode (18°C)

Note:  = At the next scheduled action, desired temperature will increase
 = At the next scheduled action, desired temperature will not change
 = At the next scheduled action, desired temperature will decrease














Setting the clock

If for any reason you require to re-set the clock,

1. Press  to go to any home page
2. Press  to enter the menu function and press  when 'set time / date' is highlighted
3. Press  until you reach the 'time' setting. Press 
4. Press to adjust the hour  or  and then  or  to move across to adjust the minutes. Now Press  or  to adjust the minutes
5. Press  to confirm and save the new time and press  to return to the home page

Changing the central heating timer settings

If you wish to set the central heating to heat at times other than those already set, you need to adjust the settings on the controller:

1. Press  to go to the home page
2. Press  to enter the menu function
3. Press  until 'user settings' is highlighted, press 
4. Press  until 'set schedules' is highlighted, press 
5. When 'room temp.' is highlighted, press 
6. When 'set heating schedule' is highlighted, press 
7. If you wish to change an existing schedule choose the name of the schedule you wish to change and press , OR if you want to start a new schedule, choose 'empty' and press 
8. 'Mon' will be highlighted, this is the schedule for Monday. Press  to enter the schedule for the selected day, or  or  to select another day

Continued overleaf...








Changing the central heating timer settings

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9. Press ▲ or ▼ to change the hour time of the schedule and press ► to change minutes. Press ► to set type of schedule. You can either set a room temperature or choose 'eco' (18°C) or 'comfort' (20°C) modes. Press ▲ or ▼ to switch between modes or to adjust temperatures
10. Press ► to move to the next schedule for the day.
Repeat step 9 for the next timer schedule
11. When you have set all schedules for the day, press (OK)
12. You are able to copy the schedule set for Monday, to other days in the week. Press ▼ until 'copy day' is highlighted. Press (OK)
13. 'No' will be highlighted under 'Tue'. If the same schedule is required for Tuesday, press ▲ until 'yes' appears. Press ► to move to Wednesday. Repeat this step until you have copied the schedule for the days you require. Press (OK) to confirm and return to the schedule timer screen
14. If you would like a different schedule, for example on the weekend, press ◀ until the days on the left-hand side are highlighted
15. Press ▲ or ▼ until the day you wish to adjust is highlighted. Press ▲ to enter schedule timer adjustment screen and adjust timer schedules as described in step 9
16. When all schedules are set, press (OK) and press ▼ until 'same schedule' is reached, press (OK)
17. Save the schedule timer under either 'user defined 1, 2 or 3'. Press ▲ or ▼ to move between the user schedules 1, 2 or 3. Press (OK) to confirm
18. You can edit the name of the schedule. Press ▲ or ▼ to adjust the first letter and ► to adjust the next letters. Press (OK) to confirm
19. Press 🏠 to return to the home screen

Changing the central heating timer settings

Continued...

20. Press  to enter menu and press  until 'select schedules' is highlighted and press .
21. When 'room temperature' is highlighted press .
22. When 'heating' is highlighted, press .
23. Press  until the name of the schedule you have changed is highlighted and press .

Your checklist for diagnosing possible faults

If the radiator is too cold check that the radiator TRV is set to a high enough level.

A room may become warm enough without the radiator being more than lukewarm.

Is the programmable thermostat set too low?

Check that the temperature on the programmable thermostat is set high enough to start the heat pump.

Is the mains power switched off?

Check that the heating switches are switched ON, including the switch located next to the outdoor unit.

In the event you have checked the points opposite,

and the system still fails to operate normally, you can manually reset the system by turning off the power, waiting 60 seconds then turning it back on.

If the system still does not operate as normal,

check the display on the controller for a fault code (typically a number and a letter for example 7H) and contact your housing association, making reference to the displayed code.

www.daikin.co.uk

For full user instructions, please refer to the Daikin Altherma operation manual.



MCS HP0006

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